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PREPARATION OF ANTIOXIDANT

Abstract:

PURPOSE: To prepare an antioxidant high in safety, by a method wherein ground dry leaves of herbaceous rosemary or sage are extracted with oil or fat containing tocopherol and, after the removal of aromatic components, the obtained extract is subjected to molecular distillation.

CONSTITUTION: One or more of dry leaves selected from herbaceous rosemary, sage, marjoram, thyme or basil is ground to 20 μ m or less and 1pt.wt. ground one is extracted with 4W10pts.wt. vegetable oil or fat (e.g., soybean oil), having a m.p. of 40 $^{\circ}$ C or below and containing 0.01W5% tocopherol, at 100W150 $^{\circ}$ C for 30minW4hr. In the next step, activated carbon is added to the obtained extract to remove color components therefrom and the treated extract is cooled to 50 $^{\circ}$ C or below to remove precipitated impurities. After the purified extract is subsequently subjected to steam distillation at 130W180 $^{\circ}$ C under pressure of 2W 20mmHg for 20W60min to remove aromatic components, molecular distillation is carried out to collect antioxidant components distilled at 180W280 $^{\circ}$ C.

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